10/570,913

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PASSWORD:
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NEWS  1          Web Page for STN Seminar Schedule - N. America
NEWS  2   AUG 06 CAS REGISTRY enhanced with new experimental property tags
NEWS  3   AUG 06 FSTA enhanced with new thesaurus edition
NEWS  4   AUG 13 CA/CAplus enhanced with additional kind codes for granted
                 patents
NEWS  5   AUG 20 CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS  6   AUG 27 Full-text patent databases enhanced with predefined
                 patent family display formats from INPADOCDB
NEWS  7   AUG 27 USPATOLD now available on STN
NEWS  8   AUG 28 CAS REGISTRY enhanced with additional experimental
                 spectral property data
NEWS  9   SEP 07 STN AnaVist, Version 2.0, now available with Derwent
                 World Patents Index
NEWS 10   SEP 13 FORIS renamed to SOFIS
NEWS 11   SEP 13 INPADOCDB enhanced with monthly SDI frequency
NEWS 12   SEP 17 CA/CAplus enhanced with printed CA page images from
                 1967-1998
NEWS 13   SEP 17 CAplus coverage extended to include traditional medicine
                 patents
NEWS 14   SEP 24 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
NEWS 15   OCT 02 CA/CAplus enhanced with pre-1907 records from Chemisches
                 Zentralblatt
NEWS 16   OCT 19 BEILSTEIN updated with new compounds
NEWS 17   NOV 15 Derwent Indian patent publication number format enhanced
NEWS 18   NOV 19 WPIX enhanced with XML display format
NEWS 19   NOV 30 ICSD reloaded with enhancements
NEWS 20   DEC 04 LINPADOCDB now available on STN
NEWS 21   DEC 14 BEILSTEIN pricing structure to change
NEWS 22   DEC 17 USPATOLD added to additional database clusters
NEWS 23   DEC 17 IMSDRUGCONF removed from database clusters and STN
NEWS 24   DEC 17 DGENE now includes more than 10 million sequences
NEWS 25   DEC 17 TOXCENTER enhanced with 2008 MeSH vocabulary in
                 MEDLINE segment
NEWS 26   DEC 17 MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 27   DEC 17 CA/CAplus enhanced with new custom IPC display formats
NEWS 28   DEC 17 STN Viewer enhanced with full-text patent content
```

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                        from USPATOLD
NEWS 29   JAN 02    STN pricing information for 2008 now available
NEWS 30   JAN 16    CAS patent coverage enhanced to include exemplified
                        prophetic substances
NEWS 31   JAN 28    USPATFULL, USPAT2, and USPATOLD enhanced with new
                        custom IPC display formats
NEWS 32   JAN 28    MARPAT searching enhanced
NEWS 33   JAN 28    USGENE timeliness enhanced
NEWS 34   JAN 28    TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 35   JAN 28    MEDLINE and LMEDLINE reloaded with enhancements


NEWS EXPRESS   19 SEPTEMBER 2007:  CURRENT WINDOWS VERSION IS V8.2,
                   CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                   AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.


NEWS HOURS     STN Operating Hours Plus Help Desk Availability
NEWS LOGIN     Welcome Banner and News Items
NEWS IPC8      For general information regarding STN implementation of IPC 8
```

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:09:07 ON 28 JAN 2008

=> file reg

```
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                  ENTRY      SESSION
FULL ESTIMATED COST                    .          0.21         0.21
```

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STRUCTURE FILE UPDATES: 27 JAN 2008 HIGHEST RN 1000849-38-6
DICTIONARY FILE UPDATES: 27 JAN 2008 HIGHEST RN 1000849-38-6

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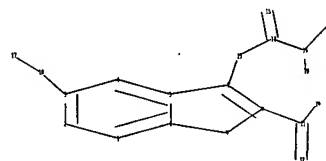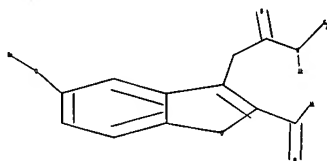TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

10/570,913

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10570913.str

chain nodes :
10   11   12   13   14   15   16   17   18   19   21

```
ring nodes :
1  2  3  4  5  6  7  8  9
chain bonds :
3-10  7-13  8-11  10-17  11-12  11-19  13-14  14-15  14-16  16-18  16-21
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9
exact/norm bonds :
3-10  11-12  11-19  14-15  14-16  16-18  16-21
exact bonds :
5-7  6-9  7-8  7-13  8-9  8-11  10-17  13-14
normalized bonds :
1-2  1-6  2-3  3-4  4-5  5-6
isolated ring systems :
containing 1 :


G1:Cb,Ak

G2:H,Cb,Ak

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom
10:CLASS  11:CLASS  12:CLASS  13:CLASS  14:CLASS  15:CLASS  16:CLASS
17:CLASS  18:CLASS  19:CLASS  21:CLASS




L1      STRUCTURE UPLOADED

=> s l1
SAMPLE SEARCH INITIATED 17:09:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      1 TO ITERATE

100.0% PROCESSED      1 ITERATIONS                        0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         1 TO      80
PROJECTED ANSWERS:            0 TO       0

L2            0 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 17:10:02 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      41 TO ITERATE

100.0% PROCESSED     41 ITERATIONS                       13 ANSWERS
SEARCH TIME: 00.00.01

L3           13 SEA SSS FUL L1
```

```
=> file caplus s 13
'S' IS AN AMBIGUOUS FILE OR CLUSTER NAME
 SAFETY              - Occupational Health and Safety Cluster
 SESSION             - Current files with L-numbers Cluster
 STRUCTURE           - Structure Searching Cluster
 SUPPLIERS           - Product Directories and Suppliers Cluster
 SCISEARCH           - ISI Science Citation Index from 1974 - present
 SOFIS               - Social Science Research Information System 1997-2006
 SOLIDSTATE          - Solid State and Superconductivity Abstracts from 1981
 SOLIS               - German literature in social sciences 1945-present
 SPECINFO            - Spectral Database Information System
 STNGUIDE            - Descriptive information about STN databases
 STNMAIL             - STN Electronic Mail Service
 SYNTHLINE           - Synthline Drug Synthesis Database 1984-present
ENTER FILE OR CLUSTER NAME (IGNORE):end

=> file caplus
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                              ENTRY        SESSION
FULL ESTIMATED COST                          178.82        179.03

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FILE COVERS 1907 - 28 Jan 2008  VOL 148 ISS 5
FILE LAST UPDATED: 27 Jan 2008  (20080127/ED)

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=> s 13
L4             1 L3

=>
Uploading C:\Program Files\Stnexp\Queries\105709131.str
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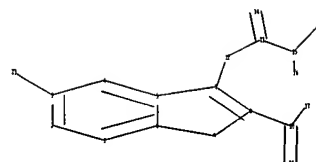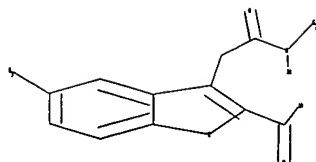
```
chain nodes :
10   11   12   13   14   15   16   17   19   23
ring nodes :
1   2   3   4   5   6   7   8   9
chain bonds :
3-23   7-12   8-10   10-11   10-17   12-13   13-14   13-15   15-16   15-19
ring bonds :
1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   8-9
exact/norm bonds :
3-23   10-11   10-17   13-14   13-15   15-16   15-19
exact bonds :
5-7   6-9   7-8   7-12   8-9   8-10   12-13
normalized bonds :
```

1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

G1:Cb,Ak

G2:H,Cb,Ak

G3:H,F

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS
17:CLASS 19:CLASS 23:CLASS

L5   STRUCTURE UPLOADED

=> s l5
   REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 17:13:36 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   4 TO ITERATE

100.0% PROCESSED   4 ITERATIONS   1 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS: 4 TO   200
PROJECTED ANSWERS: 1 TO   80

L6   1 SEA SSS SAM L5

L7   1 L6

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                       ENTRY   SESSION
FULL ESTIMATED COST   0.48   182.37

FILE 'CAPLUS' ENTERED AT 17:14:03 ON 28 JAN 2008
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=> s l7
L8   1 L6

=> dup rem l7 l4
PROCESSING COMPLETED FOR L7
PROCESSING COMPLETED FOR L4
L9   1 DUP REM L7 L4 (1 DUPLICATE REMOVED)

=> d l9 ibib abs hitstr hitind

L9   ANSWER 1 OF 1   CAPLUS COPYRIGHT 2008 ACS on STN   DUPLICATE 1
ACCESSION NUMBER: · 2005:216615 CAPLUS
DOCUMENT NUMBER: 142:297979
TITLE: Preparation of benzofuran and benzothiophene
                        derivatives for treating ocular hypertension
INVENTOR(S):   Shen, Dong-ming; Doherty, James B.
PATENT ASSIGNEE(S):   Merck & Co., Inc., USA
SOURCE: PCT Int. Appl., 53 pp.
                        CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005020917	A2	20050310	WO 2004-US27915	20040827
WO 2005020917	A3	20050519		

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    W:   AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
         CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
         GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
         LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
         NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
         TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
    RW:  BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
         AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
         EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
         SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
         SN, TD, TG
  AU 2004268012         A1    20050310    AU 2004-268012          20040827
  CA 2537119            A1    20050310    CA 2004-2537119         20040827
  EP 1664011            A2    20060607    EP 2004-782402          20040827
     R:   AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
          IE, SI, LT, LV, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
  CN 1845914            A     20061011    CN 2004-80025038        20040827
  JP 2007504228         T     20070301    JP 2006-525368          20040827
  US 2006276504         A1    20061207    US 2006-570913          20060301
PRIORITY APPLN. INFO.:                   US 2003-499628P      P  20030902

                                         WO 2004-US27915      W  20040827
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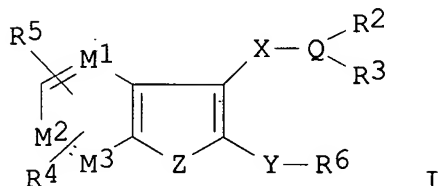
OTHER SOURCE(S):   CASREACT 142:297979; MARPAT 142:297979
GI

I

AB   Title compds. I [M1-M3 = CH, N; Z = O, S; X = bond, alkylene, CO,
      alkylenecarbonyl; Y = bond, CO, carbonylalkylene, alkylene,
      (un)substituted CHOH, O, S; Q = (un)substituted CH, N, O, where R2 is
      absent when Q = O; R2 = H, OH, (un)substituted alkyl, alkenyl, alkoxy,
      cycloalkyl, cycloalkenyl, heterocyclyl, aryl; R3 = H, (un)substituted
      alkyl, alkenyl, alkoxy, cycloalkyl, cycloalkenyl, heterocyclyl, aryl,
NH2,
      SO2H, SO2NH2, CONH2, CHO, NO2, CN, halogen; NR2R3 = heterocyclic; R4,
R5 =
      H, OH, (un)substituted alkoxy, alkylthio, acyl, alkenyl, cycloalkoxy,
      cycloalkyl, cycloalkylthio, SO3H, OP(O)(OH)2, CF3, (un)substituted NH2,
      NO2, CN, halogen; R6 = H, (un)substituted alkyl, aryl, heteroaryl, NH2]
      were prepared and are potent potassium channel blockers with IC50
0.5-10
      μM for the treatment of glaucoma and other conditions which lead to
      elevated intraocular pressure. They also provide a neuroprotective
effect·

to the eye of mammalian species, particularly humans. Thus,
2'-hydroxy-5'-methoxyacetophenone was treated with BrCH2COCMe3 to give
5-methoxy-3-methyl-2-pivaloylbenzofuran which was carbonylated and
amidated to give I [M1-M3 = CH, Z = O, Y = CO, X = CH2CO, Q = N, R2,
R3 =
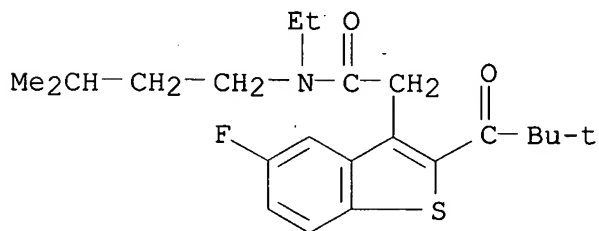   Bu, R4 = H, R5 = 5-OMe, R6 = CMe3].
IT   847804-69-7P
      RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
      (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
      (Uses)
         (preparation of benzofuran and benzothiophene derivs. for treating
ocular
         hypertension)
RN   847804-69-7 CAPLUS
CN   Benzo[b]thiophene-3-acetamide, 2-(2,2-dimethyl-1-oxopropyl)-N-ethyl-5-
      fluoro-N-(3-methylbutyl)- (CA INDEX NAME)

IC   ICM A61K
CC   27-9 (Heterocyclic Compounds (One Hetero Atom))
      Section cross-reference(s): 1
IT   847804-28-8P   847804-29-9P   847804-30-2P   847804-31-3P
847804-32-4P
      847804-33-5P   847804-34-6P   847804-35-7P   847804-36-8P
847804-37-9P
      847804-38-0P   847804-39-1P   847804-40-4P   847804-41-5P
847804-42-6P
      847804-43-7P   847804-44-8P   847804-45-9P   847804-46-0P
847804-47-1P
      847804-48-2P   847804-49-3P   847804-50-6P   847804-51-7P
847804-52-8P
      847804-53-9P   847804-54-0P   847804-55-1P   847804-56-2P
847804-57-3P
      847804-58-4P   847804-59-5P   847804-60-8P   847804-61-9P
847804-62-0P
      847804-63-1P   847804-64-2P   847804-65-3P   847804-66-4P
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      847804-68-6P 847804-69-7P   847804-70-0P   847804-71-1P
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847804-81-3P
      847804-82-4P   847804-83-5P   847804-84-6P   847804-85-7P
847804-86-8P

847804-87-9P   847804-88-0P   847804-89-1P   847804-90-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
    (preparation of benzofuran and benzothiophene derivs. for treating
ocular
    hypertension)

=>
=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	6.77	189.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.80	-0.80

STN INTERNATIONAL LOGOFF AT 17:15:19 ON 28 JAN 2008